

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/050783

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04N7/26 H04N7/46 H04N7/52

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TIECHENG LIU ET AL: "Rule-based semantic summarization of instructional videos" PROCEEDINGS 2002 INTERNATIONAL CONFERENCE ON IMAGE PROCESSING. ICIP 2002. ROCHESTER, NY, SEPT. 22 - 25, 2002, INTERNATIONAL CONFERENCE ON IMAGE PROCESSING, NEW YORK, NY : IEEE, US, vol. VOL. 2 OF 3, 22 September 2002 (2002-09-22), pages 601-604, XP010607395 ISBN: 0-7803-7622-6 section "1. Introduction", first paragraph section "3.1. Extraction of key frames", last paragraph section "3.2. Synchronizing key frames with audio"  ----- -/--	1-12, 15, 16

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*8\* document member of the same patent family

Date of the actual completion of the international search

28 September 2004

Date of mailing of the international search report

04/11/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SRINIVASAN S ET AL: "What is in that video anyway?: in search of better browsing" 7 June 1999 (1999-06-07), MULTIMEDIA COMPUTING AND SYSTEMS, 1999. IEEE INTERNATIONAL CONFERENCE ON FLORENCE, ITALY 7-11 JUNE 1999, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, PAGE(S) 388-393, XP010342775 ISBN: 0-7695-0253-9 the whole document	1-3,7-16
X	----- COHEN G ET AL: "Using audio time scale modification for video browsing" 4 January 2000 (2000-01-04), , PAGE(S) 1117-1126, PROCEEDINGS OF HICSS33: HAWAII INTERNATIONAL CONFERENCE ON SYSTEM SCIENCES, 4-7 JAN. 2000, MAUI, HI, USA, IEEE COMPUT. SOC, LOS ALAMITOS, CA, USA, XP010545354 ISBN: 0-7695-0493-0 page 3, right-hand column, line 20 - page 3, right-hand column, line 42	1-3, 7-12,15, 16
A	----- EP 1 170 954 A (MITSUBISHI ELECTRIC CORP) 9 January 2002 (2002-01-09) paragraph '0032! - paragraph '0035!	1,3-5
A	----- WO 01/33863 A (KONINKL PHILIPS ELECTRONICS NV) 10 May 2001 (2001-05-10) page 2, line 7 - page 2, line 26	1,3-5
A	----- KASAI H ET AL: "Rate control scheme for low-delay MPEG-2 video transcoder" PROCEEDINGS OF 7TH IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING, 10-13 SEPT. 2000, VANCOUVER, BC, CANADA, vol. 1, 10 September 2000 (2000-09-10), pages 964-967, XP010530777 PISCATAWAY, NJ, USA sections 1., 2.	1,4
A	----- WO 01/10136 A (ALVES EDUARDO MOREIRA ; INDINELL SA (UY)) 8 February 2001 (2001-02-08) page 1, line 28 - page 2, line 32 page 30, line 1 - page 30, line 17 ----- -/-	1,5

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>BIN YU ET AL: "A realtime software solution for resynchronizing filtered mpeg2 transport stream"</p> <p>PROCEEDINGS FOURTH INTERNATIONAL SYMPOSIUM ON MULTIMEDIA SOFTWARE ENGINEERING, 11-13 DEC. 2002, NEWPORT BEACH, CA, USA, IEEE COMPUT. SOC,</p> <p>11 December 2002 (2002-12-11), pages 296-303, XP010632763</p> <p>LOS ALAMITOS, CA, USA</p> <p>the whole document</p> <p>-----</p>	1,6
A	<p>US 2002/064227 A1 (BALAKRISHNAN MAHESH ET AL) 30 May 2002 (2002-05-30)</p> <p>paragraph '0007!</p> <p>-----</p>	13,14

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Information on patent family members

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